

PCT**GENERAL POWER OF ATTORNEY**

(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned:

GENENCOR INTERNATIONAL, INC.
4 Cambridge Place
1870 South Winton Road
Rochester, New York 14618
United States of America

hereby appoints the following persons as agents:

HORN, Margaret A., Registration No. 33,401; and
STONE, Christopher L., Registration No. 35,696
ANDERSON, Kirsten A., Registration No. 38813
Debra J. Glaister, Registration No. 33,888

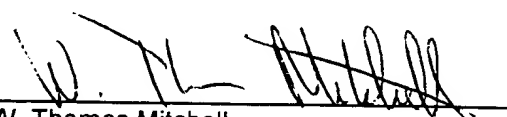
at **GENENCOR INTERNATIONAL, INC.**
925 Page Mill Road
Palo Alto, CA 94304-1013
United States of America

to represent the undersigned before **ALL THE COMPETENT INTERNATIONAL AUTHORITIES**
in connection with any and all international applications filed by the undersigned with the
following Offices:

United States and European Receiving Offices;
World Intellectual Property Organization;
European Patent Office;

and to make or receive payments on behalf of the undersigned.

By:


W. Thomas Mitchell
President and Chief Executive Officer

Date: 6 February 1997

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The undersigned:

BOWER, Benjamin S., 320 Esplanade Drive, Apt. 39, Pacifica, California 94044;
FOWLER, Timothy, 1979 Eaton Avenue, San Carlos, California 94070; and
PHILLIPS Jay I., 785 Barron Avenue, Palo Alto, California 94306

hereby appoints the following persons as agents:

HORN, Margaret A., Registration No. 33,401
STONE, Christopher L., Registration No. 35,696
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This 9th day of December 1998

By:


BOWER, Benjamin S.

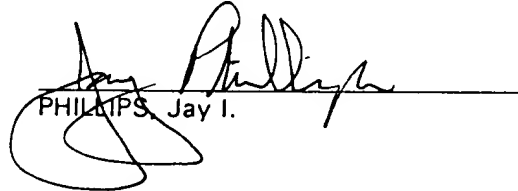
This 9th day of December 1998

By:


FOWLER, Timothy

This 9th day of December 1998

By:


PHILLIPS, Jay I.